

# ISO 19918:2017-09 (E)

## Protective clothing - Protection against chemicals - Measurement of cumulative permeation of chemicals with low vapour pressure through materials

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	3
5	Apparatus and supplies .....	3
6	Test parameters .....	4
6.1	Analytical method .....	4
6.2	Determination of extraction efficiency .....	5
6.3	Test specimens .....	5
7	Preparation of test chemical and test specimens .....	6
8	Procedure .....	6
8.1	Contamination .....	6
8.2	Extraction and analysis .....	7
9	Expression of results .....	7
10	Report .....	8
11	Precision and bias .....	9
Annex A (informative) Schematic diagram of the permeation cell .....		10
Annex B (normative) Drawing and measurements of the permeation cell, washer, and bolts .....		11
Annex C (informative) Sources of permeation test cells, and permeation cell parts .....		13
Annex D (informative) Selection of gasket and pressure .....		14
Annex E (informative) Interlaboratory test data .....		15
Bibliography .....		16